BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: **Providing cement concrete road, construction of culverts and RCC drains and providing missing covering slabs in Kateramma layout and surrounding areas in Ward No.10**

MEASUREMENT SHEET

FIRST and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
Item No. 01		**Earthwork excavation by manual means for roads,** drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications									
			Cum								
		Vide Total executed Quantity from premeasuremet Page no. 1 to 4						646.43			
							Total	**646.43**			
							Tender Quantity	646.44			
							Now to be Paid Quantity	**646.43**	207.60	134197.83	134198.86
Item No. 02		Providing granite 10 cms thick slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete									
Measurements taken on		10/03/2020									
		Cover Slab									
		Kateramma layout									
		Near Gitanajali jewels Main Raod									
		Lhs									
5	12.4		Sqm	1	7.40	0.90		6.66			
18	28		Sqm	1	10.00	0.90		9.00			
35	43		Sqm	1	8.00	0.90		7.20			
46	55		Sqm	1	9.00	0.90		8.10			
63	72		Sqm	1	9.00	0.90		8.10			
78	88		Sqm	1	10.00	0.90		9.00			
97	109		Sqm	1	12.00	0.90		10.80			
		Rhs									
2	14		Sqm	1	12.00	0.90		10.80			
19	26		Sqm	1	7.00	0.90		6.30			
34	41		Sqm	1	7.00	0.90		6.30			
48	57.4		Sqm	1	9.40	0.90		8.46			
65	74		Sqm	1	9.00	0.90		8.10			
78	87		Sqm	1	9.00	0.90		8.10			
94	106		Sqm	1	12.00	0.90		10.80			
		Kateramma Temple Back Side Road									
4	13		Sqm	1	9.00	0.90		8.10			
17	28		Sqm	1	11.00	0.90		9.90			
34.4	44		Sqm	1	9.60	0.90		8.64			
49	58		Sqm	1	9.00	0.90		8.10			
66	73		Sqm	1	7.00	0.90		6.30			
79	87		Sqm	1	8.00	0.90		7.20			
93	106		Sqm	1	13.00	0.90		11.70			
108	118		Sqm	1	10.00	0.90		9.00			
124	133		Sqm	1	9.00	0.90		8.10			
139	147		Sqm	1	8.00	0.90		7.20			
156	163		Sqm	1	7.00	0.90		6.30			
169	170.9		Sqm	1	1.90	0.90		1.71			
		Muneshwara Layout Vemmanna Layout									
		Lhs									
5.2	12		Sqm	1	6.80	0.90		6.12			
16	28		Sqm	1	12.00	0.90		10.80			
35	42		Sqm	1	7.00	0.90		6.30			
48	58		Sqm	1	10.00	0.90		9.00			
63	67.9		Sqm	1	4.90	0.90		4.41			

214.60

Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore

RUDRAPRASAD CONSULTANTS BANGALORE PMC

Assistant Engineer

Assistant Executive Engineer

Contractor

Assistant Executive Engineer, Vidyaranyapura, Sub-Division, KRIDL, BBMP, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Providing cement concrete road, construction of culverts and RCC drains and providing missing covering slabs in Kateramma layout and surrounding areas in Ward No.10

MEASUREMENT SHEET

FIRST and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
		Rhs									
2	11		Sqm	1	9.00	0.90		8.10			
17	29		Sqm	1	12.00	0.90		10.80			
34	42.3		Sqm	1	8.30	0.90		7.47			
47	56.5		Sqm	1	9.50	0.90		8.55			
66	67.9		Sqm	1	1.90	0.90		1.71			
		Muneshwara Layout									
		6th Cross									
4.3	12		Sqm	1	7.70	0.90		6.93			
17	28		Sqm	1	11.00	0.90		9.90			
35	42		Sqm	1	7.00	0.90		6.30			
48	57		Sqm	1	9.00	0.90		8.10			
64	73.2		Sqm	1	9.20	0.90		8.28	76.14		
							Total	**322.74**	**966.72**	**311999.21**	
Item No. 03		Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications.									
			Cum								
		Vide Total executed Quantity from premeasuremet Page no. 5						33.03			
							Total	**33.03**			
							Tender Quantity	33.03			
							Now to be Paid Quantity	**33.03**	**5505.64**	**181851.29**	
Item No. 04		Providing and constructing granite / trap / basalt Size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. and as per the directions of the Engineer-in-charge of the work									
			Cum								
		Vide Total executed Quantity from premeasuremet Page no. 6						10.80			
							Total	**10.80**			
							Tender Quantity	10.80	4871.76 58		
							Now to be Paid Quantity	**10.80**	**4872.00**	**52617.60**	2615.08
Item No. 05		Providing FLush pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. and as per the directions of the Engineer-in-charge of the work									
			Sqm								
		Vide Total executed Quantity from premeasuremet Page no. 7						18.00			
							Total	**18.00**			
							Tender Quantity	18.00	223.66	4025.88	
							Now to be Paid Quantity	**18.00**	**150.52**	**2709.36**	
Item No. 06		Providing laying plain/ reinforced cement concrete for side Drains Using M20 nominal mix Concrete with OPC at 300kgs.With 20mm and Down size granite metal coarse aggregate at 0.69cum and fine aggregate at 0.43cum Machne mixed, well compacted for wall and Bottom including centering shuttering,cost of materials,HOM of Machinery,Curing Etc.,Complete Excluding cost of Steel as per morth MORTH specification									
Measurements taken on											
		Bottom Raft									
		For New Drain									
		Seetamma layout near Raghavendra temple									
0	15		Cum	1	15.00	0.90	0.15	2.03			
15	30		Cum	1	15.00	0.90	0.15	2.03			
30	45		Cum	1	15.00	0.90	0.15	2.03			

6.09

Assistant Executive Engineer, R.R. Nagar, Sub-Division, KRIDL, BBMP, Bangalore

Contractor

RUDRAPRASAD CONSULTANTS BANGALORE

PMC

Sunitha. N.K

Assistant Engineer

Assistant Executive Engineer

Vidyaranyapura Sub Division

CAFE

Assistant Executive Engineer Vidyaranyapura Sub Division BBMP, Bangalore-97

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Providing cement concrete road, construction of culverts and RCC drains and providing missing covering slabs in Kateramma layout and surrounding areas in Ward No.10

MEASUREMENT SHEET

FIRST and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
45	60		Cum	1	15.00	0.90	0.15	2.03			
60	65.5		Cum	1	5.50	0.90	0.15	0.74			
		Seetamma layout near Raghavendra temple									
0	15		Cum	1	15.00	0.90	0.15	2.03			
15	30		Cum	1	15.00	0.90	0.15	2.03			
30	45		Cum	1	15.00	0.90	0.15	2.03			
45	60		Cum	1	15.00	0.90	0.15	2.03			
60	75		Cum	1	15.00	0.90	0.15	2.03			
75	83		Cum	1	8.00	0.90	0.15	1.08			
		Culvert									
		Kateramma layout									
			Cum	1	6.00	1.80	0.20	2.16			
		Walls									
		For New Drain									
		Seetamma layout near Raghavendra temple									
0	15		Cum	2	15.00	0.15	0.90	4.05			
15	30		Cum	2	15.00	0.15	0.90	4.05			
30	45		Cum	2	15.00	0.15	0.90	4.05			
45	60		Cum	2	15.00	0.15	0.90	4.05			
60	65.5		Cum	2	5.50	0.15	0.90	1.49			
		Seetamma layout near Raghavendra temple									
0	15		Cum	2	15.00	0.15	0.90	4.05			
15	30		Cum	2	15.00	0.15	0.90	4.05			
30	45		Cum	2	15.00	0.15	0.90	4.05			
45	60		Cum	2	15.00	0.15	0.90	4.05			
60	75		Cum	2	15.00	0.15	0.90	4.05			
75	83		Cum	2	8.00	0.15	0.90	2.16			
		Kateramma layout									
			Cum	2	6.00	0.20	0.75	1.80			
							Total	64.10	7070.20	453217.50	
Item No. 07		Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.									
			Tonne								
		Vide Total executed Quantity from premeasuremet Page no. 8/A						4.95			
							Total	**4.95**			
							Tender Quantity	4.91			
							Now to be Paid Quantity	**4.95**			
							Quantity Limited To	**4.91**	72326.98	355125.47	
Item No. 08		Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete. (Data Rate)									
Measurements taken on											
		Drain cover slab									
		Kateramma layout									
		Main Road									
		Lhs									
0	15		Sqm	1	15.00	0.90		13.50			

Assistant Executive Engineer, R.R. Nagar, Sub-Division, KRIDL, BBMP, Bangalore
Contractor

PUDUPRAPRASAD CONSULTANTS BANGALORE
PMC

Assistant Engineer

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97
Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Providing cement concrete road, construction of culverts and RCC drains and providing missing covering slabs in Kateramma layout and surrounding areas in Ward No.10

MEASUREMENT SHEET

FIRST and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
15	30		Sqm	1	15.00	0.90		13.50			
30	45		Sqm	1	15.00	0.90		13.50			
45	60		Sqm	1	15.00	0.90		13.50			
60	75		Sqm	1	15.00	0.90		13.50			
75	90		Sqm	1	15.00	0.90		13.50			
90	105		Sqm	1	15.00	0.90		13.50			
105	120		Sqm	1	15.00	0.90		13.50			
120	135		Sqm	1	15.00	0.90		13.50			
135	150		Sqm	1	15.00	0.90		13.50			
150	165		Sqm	1	15.00	0.90		13.50			
165	180		Sqm	1	15.00	0.90		13.50			
180	195		Sqm	1	15.00	0.90		13.50			
195	210		Sqm	1	15.00	0.90		13.50			
210	226		Sqm	1	16.00	0.90		14.40			
		Rhs									
0	15		Sqm	1	15.00	0.90		13.50			
15	30		Sqm	1	15.00	0.90		13.50			
30	45		Sqm	1	15.00	0.90		13.50			
45	60		Sqm	1	15.00	0.90		13.50			
60	75		Sqm	1	15.00	0.90		13.50			
75	90		Sqm	1	15.00	0.90		13.50			
90	105		Sqm	1	15.00	0.90		13.50			
105	120		Sqm	1	15.00	0.90		13.50			
120	135		Sqm	1	15.00	0.90		13.50			
135	150		Sqm	1	15.00	0.90		13.50			
150	165		Sqm	1	15.00	0.90		13.50			
165	180		Sqm	1	15.00	0.90		13.50			
180	195		Sqm	1	15.00	0.90		13.50			
195	210		Sqm	1	15.00	0.90		13.50			
210	226		Sqm	1	16.00	0.90		14.40			
		Seetamma layout near Raghavendra temple									
0	15		Sqm	1	15.00	0.90		13.50			
15	30		Sqm	1	15.00	0.90		13.50			
30	45		Sqm	1	15.00	0.90		13.50			
45	60		Sqm	1	15.00	0.90		13.50			
60	65.5		Sqm	1	5.50	0.90		4.95			
		Seetamma layout near Raghavendra temple									
0	15		Sqm	1	15.00	0.90		13.50			
15	30		Sqm	1	15.00	0.90		13.50			
30	45		Sqm	1	15.00	0.90		13.50			
45	60		Sqm	1	15.00	0.90		13.50			
60	75		Sqm	1	15.00	0.90		13.50			
75	83		Sqm	1	8.00	0.90		7.20			
		Missing Slab									
			Sqm	172	0.90	0.60		92.88	619.83		
							Total	**633.33**	**2337.00**	**1480092.21**	

Item No. 09	Providing and Fixing pre cast **covering Slab 250mm thick** made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge
Measurements taken on	

		Culvert cover Slab									
		1st Cross	**Sqm**	1	5.00	1.80		9.00			
		2nd Cross	**Sqm**	1	5.00	1.80		9.00			

18.00

Assistant Executive Engineer, R.R. Nagar, Sub-Division, KRIDL, BBMP, Bangalore

Assistant Executive Engineer Vidyaranyapura Sub Division BBMP, Bangalore - 97

Contractor PMC Assistant Engineer Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Providing cement concrete road, construction of culverts and RCC drains and providing missing covering slabs in Kateramma layout and surrounding areas in Ward No.10

MEASUREMENT SHEET

FIRST and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
		3rd Cross	**Sqm**	1	5.00	1.80		9.00			
		4th Cross	**Sqm**	1	5.00	1.80		9.00			
		5th Cross	**Sqm**	1	5.00	1.80		9.00			
		6th Cross	**Sqm**	1	5.00	1.80		9.00			
		6thA Cross	**Sqm**	1	5.00	1.80		9.00			
		Cross	**Sqm**	1	5.00	1.80		9.00			
			Sqm	1	6.00	1.80		10.80			
		For SSm Culvert									
		1st Cross	**Sqm**	1	5.00	1.80		9.00			
		2nd Cross	**Sqm**	1	5.00	1.80		9.00			
		3rd Cross	**Sqm**	1	5.00	1.80		9.00			
							Total	**109.80**	**5418.00**	**594896.40**	
Item No. 10		Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by mechanical means attached with scarifier without disturbing the base and stacking the debris including cost of all labour charges, HOM complete as per specifications.									
			Sqm								
		Vide Total executed Quantity from premeasuremet Page no. 9						442.00			
							Total	**442.00**			
							Tender Quantity	442.00			
							Now to be Paid Quantity	**442.00**	**41.34**	**18272.28**	
Item No. 11		**Excavation for roadwork in all types of soil** by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications									
			Cum								
		Vide Total executed Quantity from premeasuremet Page no. 10/11						412.87			
							Total	**412.87**			
							Tender Quantity	412.87			
							Now to be Paid Quantity	**412.87**	**56.26**	**23227.81**	23228.06
Item No. 12		Stone dust / Grit 4.75 mm to 0.075 mm For Road Strengthening For UGD Cut portion									
			Cum								
		Vide Total executed Quantity from premeasuremet Page no. 12						44.55			
							Total	**44.55**			
							Tender Quantity	44.55			
							Now to be Paid Quantity	**44.55**	**1060.00**	**47223.00**	
Item No. 13		Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to **wet mix macadam** specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications									
			Cum								
		Vide Total executed Quantity from premeasuremet Page no. 13/14						308.05			
							Total	**308.05**			
							Tender Quantity	308.05			
							Now to be Paid Quantity	**308.05**	**2001.28**	**616493.30**	616494.30
Item No. 14		Cleaning the existing WBM Road surface including removing of binding materials and other foreign matter with wire brushes and small picks sweeping with brooms or soft brushes and finally dusting with old gunny bags and bar or compressed air to receive bituminous treatment including cost of all materials, labhour, HOM of machineries complet as per specifications.									
			Sqm								
		Vide Total executed Quantity from premeasuremet Page no. 15/16						737.40			
							Total	**737.40**			
							Tender Quantity	737.40			

Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore - 97

Assistant Executive Engineer, R.R. Nagar, Sub-Division, KRIDL, BBMP, Bangalore

Contractor

PRASAD CONSULTANTS BANGALORE

PMC

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Providing cement concrete road, construction of culverts and RCC drains and providing missing covering slabs in Kateramma layout and surrounding areas in Ward No.10

MEASUREMENT SHEET

FIRST and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
							Now to be Paid Quantity	**737.40**	**22.26**	**16414.52**	
Item No. 15		Providing and applying **primer coat** with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications									
			Cum								
		Vide Total executed Quantity from premeasuremet Page no. 17 to 20						1927.18			
							Total	**1927.18**			
							Tender Quantity	1927.18			
							Now to be Paid Quantity	**1927.18**	**28.62**	**55155.93**	
Item No. 16		Providing and laying **dense graded bituminous macadam** using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications									
			Cum								
		Vide Total executed Quantity from premeasuremet Page no. 21 to 24.						96.36			
							Total	**96.36**			
							Tender Quantity	96.36			
							Now to be Paid Quantity	**96.36**	**6597.44**	**635723.13**	635729.31
Item No. 17		Cleaning the existing black topped surface with brooms,soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials,labhour, HOM of machineries complete as per specifications.									
			Sqm								
		Vide Total executed Quantity from premeasuremet Page no. 25/26						4170.53			
							Total	**4170.53**			
							Tender Quantity	4170.53			
							Now to be Paid Quantity	**4170.53**	**5.30**	**22103.78**	80
Item No. 18		Providing and **applying tack coat** using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications									
Measurements taken on											
		Kateramma layout									
		Kateramma temple Main Road									
0	15		Sqm	1	15.00	6.10		91.50			
15	30		Sqm	1	15.00	5.50		82.50			
30	45		Sqm	1	15.00	5.80		87.00			
45	60		Sqm	1	15.00	5.40		81.00			
60	75		Sqm	1	15.00	5.10		76.50			
75	90		Sqm	1	15.00	4.80		72.00			
90	105		Sqm	1	15.00	4.50		67.50			
105	120		Sqm	1	15.00	4.50		67.50			
120	135		Sqm	1	15.00	4.50		67.50			
135	150		Sqm	1	15.00	4.50		67.50			
150	165		Sqm	1	15.00	4.80		72.00			
165	180		Sqm	1	15.00	5.70		85.50			
180	195		Sqm	1	15.00	5.60		84.00			
195	210		Sqm	1	15.00	4.80		72.00			
210	226		Sqm	1	16.00	5.10		81.60			
		Near Gitanajali jewels Main Raod									
0	15		Sqm	1	15.00	4.70		70.50			
15	30		Sqm	1	15.00	4.20		63.00			
30	45		Sqm	1	15.00	4.00		60.00			

1349.10

Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore - 97

Assistant Executive Engineer, R.R. Nagar, Sub-Division, KRIDL, BBMP, Bangalore

Contractor

GURAPRASAD CONSULTANTS BANGALORE

PMC

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Providing cement concrete road, construction of culverts and RCC drains and providing missing covering slabs in Kateramma layout and surrounding areas in Ward No.10

MEASUREMENT SHEET

FIRST and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
45	60		Sqm	1	15.00	4.70		70.50			
60	75		Sqm	1	15.00	4.70		70.50			
75	90		Sqm	1	15.00	3.80		57.00			
90	109		Sqm	1	19.00	4.05		76.95			
		Kateramma Temple Back Side Road									
0	15		Sqm	1	15.00	6.10		91.50			
15	30		Sqm	1	15.00	5.55		83.25			
30	45		Sqm	1	15.00	5.80		87.00			
45	60		Sqm	1	15.00	4.60		69.00			
60	75		Sqm	1	15.00	5.10		76.50			
75	90		Sqm	1	15.00	4.05		60.75			
90	105		Sqm	1	15.00	3.75		56.25			
105	120		Sqm	1	15.00	4.50		67.50			
120	135		Sqm	1	15.00	4.10		61.50			
135	150		Sqm	1	15.00	4.45		66.75			
150	165		Sqm	1	15.00	4.45		66.75			
165	170.9		Sqm	1	5.90	4.60		27.14			
		Seetamma layout 3rd Cross Raghavendra temple Road									
0	15		Sqm	1	15.00	6.10		91.50			
15	30		Sqm	1	15.00	5.20		78.00			
30	45		Sqm	1	15.00	5.80		87.00			
45	60		Sqm	1	15.00	4.40		66.00			
60	75		Sqm	1	15.00	5.10		76.50			
75	90		Sqm	1	15.00	4.70		70.50			
90	105		Sqm	1	15.00	4.50		67.50			
105	120		Sqm	1	15.00	4.50		67.50			
120	135		Sqm	1	15.00	4.50		67.50			
135	150		Sqm	1	15.00	4.50		67.50			
150	165		Sqm	1	15.00	5.00		75.00			
165	180		Sqm	1	15.00	5.30		79.50			
180	195		Sqm	1	15.00	5.60		84.00			
195	210		Sqm	1	15.00	4.60		69.00			
210	225		Sqm	1	15.00	5.10		76.50			
225	240		Sqm	1	15.00	4.80		72.00			
240	255		Sqm	1	15.00	4.80		72.00			
255	270		Sqm	1	15.00	5.60		84.00			
270	295.8		Sqm	1	25.80	4.90		126.42			
		Muneshwara Layout Vemmanna Layout									
0	15		Sqm	1	15.00	3.75		56.25			
15	30		Sqm	1	15.00	3.65		54.75			
30	45		Sqm	1	15.00	3.70		55.50			
45	60		Sqm	1	15.00	3.85		57.75			
60	67.9		Sqm	1	7.90	3.85		30.42			
							Total	**4170.53**	**12.72**	**53049.08**	

Item No. 19	Providing and laying **bituminous concrete** using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications
Measurements taken on	

		Kateramma layout									
		Kateramma temple Main Road									
0	15		Cum	1	15.00	6.10	0.04	3.66			

Assistant Executive Engineer, R.R. Nagar, Sub-Division, KRIDL, BBMP, Bangalore
Contractor

PMC

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: **Providing cement concrete road, construction of culverts and RCC drains and providing missing covering slabs in Kateramma layout and surrounding areas in Ward No.10**

MEASUREMENT SHEET

FIRST and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
15	30		Cum	1	15.00	5.50	0.04	3.30			
30	45		Cum	1	15.00	5.80	0.04	3.48			
45	60		Cum	1	15.00	5.40	0.04	3.24			
60	75		Cum	1	15.00	5.10	0.04	3.06			
75	90		Cum	1	15.00	4.80	0.04	2.88			
90	105		Cum	1	15.00	4.50	0.04	2.70			
105	120		Cum	1	15.00	4.50	0.04	2.70			
120	135		Cum	1	15.00	4.50	0.04	2.70			
135	150		Cum	1	15.00	4.50	0.04	2.70			
150	165		Cum	1	15.00	4.80	0.04	2.88			
165	180		Cum	1	15.00	5.70	0.04	3.42			
180	195		Cum	1	15.00	5.60	0.04	3.36			
195	210		Cum	1	15.00	4.80	0.04	2.88			
210	226		Cum	1	16.00	5.10	0.04	3.26			
		Near Gitanajali jewels Main Raod									
0	15		Cum	1	15.00	4.70	0.04	2.82			
15	30		Cum	1	15.00	4.20	0.04	2.52			
30	45		Cum	1	15.00	4.00	0.04	2.40			
45	60		Cum	1	15.00	4.70	0.04	2.82			
60	75		Cum	1	15.00	4.70	0.04	2.82			
75	90		Cum	1	15.00	3.80	0.04	2.28			
90	109		Cum	1	19.00	4.05	0.04	3.08			
		Kateramma Temple Back Side Road									
0	15		Cum	1	15.00	6.10	0.04	3.66			
15	30		Cum	1	15.00	5.55	0.04	3.33			
30	45		Cum	1	15.00	5.80	0.04	3.48			
45	60		Cum	1	15.00	4.60	0.04	2.76			
60	75		Cum	1	15.00	5.10	0.04	3.06			
75	90		Cum	1	15.00	4.05	0.04	2.43			
90	105		Cum	1	15.00	3.75	0.04	2.25			
105	120		Cum	1	15.00	4.50	0.04	2.70			
120	135		Cum	1	15.00	4.10	0.04	2.46			
135	150		Cum	1	15.00	4.45	0.04	2.67			
150	165		Cum	1	15.00	4.45	0.04	2.67			
165	170.9		Cum	1	5.90	4.60	0.04	1.09			
		Seetamma layout 3rd Cross Raghavendra temple Road									
0	15		Cum	1	15.00	6.10	0.04	3.66			
15	30		Cum	1	15.00	5.20	0.04	3.12			
30	45		Cum	1	15.00	5.80	0.04	3.48			
45	60		Cum	1	15.00	4.40	0.04	2.64			
60	75		Cum	1	15.00	5.10	0.04	3.06			
75	90		Cum	1	15.00	4.70	0.04	2.82			
90	105		Cum	1	15.00	4.50	0.04	2.70			
105	120		Cum	1	15.00	4.50	0.04	2.70			
120	135		Cum	1	15.00	4.50	0.04	2.70			
135	150		Cum	1	15.00	4.50	0.04	2.70			
150	165		Cum	1	15.00	5.00	0.04	3.00			
165	180		Cum	1	15.00	5.30	0.04	3.18			
180	195		Cum	1	15.00	5.60	0.04	3.36			
195	210		Cum	1	15.00	4.60	0.04	2.76			
210	225		Cum	1	15.00	5.10	0.04	3.06			
225	240		Cum	1	15.00	4.80	0.04	2.88			
240	255		Cum	1	15.00	4.80	0.04	2.88			
255	270		Cum	1	15.00	5.60	0.04	3.36			

147.92

Assistant Executive Engineer
Vijayanagara Sub Division
BBMP Bangalore-97

Assistant Executive Engineer,
R.R. Nagar, Sub-Division,
KRIDL, BBMP, Bangalore

Contractor

PUGRAPRASAD CONSULTANTS BANGALORE

PMC

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Providing cement concrete road, construction of culverts and RCC drains and providing missing covering slabs in Kateramma layout and surrounding areas in Ward No.10

MEASUREMENT SHEET

FIRST and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
270	295.8		Cum	1	25.80	4.90	0.04	5.06			
		Muneshwara Layout Vemmanna Layout									
0	15		Cum	1	15.00	3.75	0.04	2.25			
15	30		Cum	1	15.00	3.65	0.04	2.19			
30	45		Cum	1	15.00	3.70	0.04	2.22			
45	60		Cum	1	15.00	3.85	0.04	2.31			
60	67.9		Cum	1	7.90	3.85	0.04	1.22	15.24		
							Total	**166.82**	**7753.90**	**1293513.35**	1293505.59
Item No. 20		**Road Marking with Hot Applied Thermoplastic Compound** with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications.									
Measurements taken on											
		Kateramma layout									
		Kateramma temple Main Road									
0	226		Sqm	2	226.00	0.10		45.20			
		Near Gitanajali jewels Main Raod									
0	109		Sqm	2	109.00	0.10		21.80			
		Kateramma Temple Back Side Road									
0	170.9		Sqm	2	170.90	0.10		34.18			
		Seetamma layout 3rd Cross Raghavendra temple Road									
0	295.8		Sqm	2	295.80	0.10		59.16			
		Muneshwara Layout Vemmanna Layout									
0	67.9		Sqm	0.5	67.90	0.10		3.40			
							Total	**163.74**	**454.74**	**74456.85**	74459.12
Item No. 21		Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications.									
			Cum								
		Vide Total executed Quantity from premeasuremet Page no. 27						213.82			
							Total	**213.82**			
							Tender Quantity	213.82			
							Now to be Paid Quantity	**213.82**	**1022.74**	**218678.18**	218682.26
Item No. 22		Providing and laying in position plain cement concrete of Mix 1:4:8 with OPC @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications.									
		Kateramma layout									
				Cum							
		Vide Total executed Quantity from premeasuremet Page no. 28/2						160.36			
							Total	**160.36**			
							Tender Quantity	160.36			
							Now to be Paid Quantity	**160.36**	**5408.12**	**867256.94**	867246.12

Assistant Executive Engineer, R.R. Nagar, Sub-Division, KRIDL, BBMP, Bangalore

Contractor

PRASAD CONSULTANTS BANGALORE

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Sunitha.N.K

Assistant Engineer

Assistant Executive Engineer Vidyaranyapura Sub Division BBMP, Bangalore-97

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Providing cement concrete road, construction of culverts and RCC drains and providing missing covering slabs in Kateramma layout and surrounding areas in Ward No.10

MEASUREMENT SHEET

FIRST and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
Item No. 23		Providing and laying in position **plain cement concrete of Mix 1:2:4** with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications.									
			Cum								
		Vide Total executed Quantity from premeasuremet Page no. 29						3.23			
								Total	**3.23**		
								Tender Quantity	3.23		
								Now to be Paid Quantity	**3.23**	**5747.32**	**18535.11** 18563.84
Item No. 24		Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, using a grade concrete M30 over a prepared base with OPC coarse aggregate @ 0.69cum fine aggregate @ 0.46cum,coarse and fine aggregate confirming to IS:383-2016,with superplastisiser @3lts confirming to IS9103-2008mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine,and curing including cost of all materials,labour,hire chargedof machines,all lead and lift charges etc., complete as per specifications.									
Measurements taken on											
		Kateramma layout									
		CC Road									
		3rd Cross									
0	15		Cum	1	15.00	5.40	0.15	12.15			
15	30		Cum	1	15.00	4.95	0.15	11.14			
30	49.4		Cum	1	19.40	4.55	0.15	13.24			
		6th A Cross									
0	15		Cum	1	15.00	4.30	0.15	9.68			
15	30		Cum	1	15.00	3.80	0.15	8.55			
30	40.6		Cum	1	10.60	3.85	0.15	6.12			
		Seetamma layout1st Cross									
0	15		Cum	1	15.00	5.55	0.15	12.49			
15	35		Cum	1	20.00	5.35	0.15	16.05			
		Muneshwara Layout									
		6th Cross									
0	15		Cum	1	15.00	5.25	0.15	11.81			
15	30		Cum	1	15.00	4.40	0.15	9.90			
30	45		Cum	1	15.00	4.15	0.15	9.34			
45	60		Cum	1	15.00	4.10	0.15	9.23			
60	75		Cum	1	15.00	4.15	0.15	9.34			
75	90		Cum	1	15.00	4.05	0.15	9.11			
90	105		Cum	1	15.00	4.05	0.15	9.11			
105	110		Cum	1	5.00	4.15	0.15	3.11			
								Total	**160.36**	**5210.96**	**835639.97** 835629.54
										Grand Total	**8362450.11** 8363760.36
										KRIDL Charges 3+1=4%	**334498.00** 334550.40
										GST Charges (12% of estimated cost)	**1003494.01** 1003651.23
										Total Amount	**9700442.12** 9701961.93

61.36

9701900

Assistant Executive Engineer, R.R. Nagar, Sub-Division, KRIDL, BBMP, Bangalore
Contractor

PMC

Assistant Engineer

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97